

Fanshawe College

## FIRST: Fanshawe Innovation, Research, Scholarship, Teaching

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Documentation (Approvals etc...)

Architectural Technology

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2016

### ATY1 Curriculum Modification for 2017-18

Fanshawe College

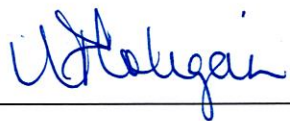

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# CURRICULUM MODIFICATION REQUEST FORM

## COURSE OR PROGRAM CURRICULUM "RATIONALE FOR CHANGE"

### Program Requiring Changes

Program Title: Architectural Technology		
Program Number: ATY1	Date Submitted: 11/22/2016	
Dean responsible for program: Vertha Coligan	Chair: Fred Varkaris	
Credential Provided: <input type="checkbox"/> Declaration of Academic Achievement <input type="checkbox"/> Local Certificate <input type="checkbox"/> Ontario College Certificate <input type="checkbox"/> Diploma <input checked="" type="checkbox"/> Advanced Diploma <input type="checkbox"/> Grad Certificate <input type="checkbox"/> Degree <input type="checkbox"/> Apprenticeship		
Program Intakes: <input checked="" type="checkbox"/> F <input checked="" type="checkbox"/> W <input type="checkbox"/> S   Other:	Catalogue Year(s) Impacted: 2017/18	
Residency Requirement: <input checked="" type="checkbox"/> Met or <input type="checkbox"/> Not Met	Date of Last Program Review: Fall 2016	
<i>I have read the reasons for the change and...</i>		<i>Signature and date</i>
Dean of Faculty (responsible for program):	<input checked="" type="checkbox"/> Approve <input type="checkbox"/> Do Not Approve	 Nov 30/16
Dean of Faculty (impacted by change):	<input type="checkbox"/> Approve <input type="checkbox"/> Do Not Approve	
Dean of Faculty (impacted by change):	<input type="checkbox"/> Approve <input type="checkbox"/> Do Not Approve	
Senior Vice President Academic (required for major changes and late DAs):	<input type="checkbox"/> Approve <input type="checkbox"/> Do Not Approve	
Director, Centre for Academic Excellence:	<input checked="" type="checkbox"/> Supports <input type="checkbox"/> Does Not Support	 Dec 16/16
Office of the Registrar:	<input type="checkbox"/> Supports <input type="checkbox"/> Does Not Support	

*Please answer each of the questions below, if applicable. Missing or incomplete information may delay review of the proposed changes.*

**1.0 Describe proposed change(s). Complete Appendix A (if necessary) and amend SDAR (Refer to Appendix C).**

These changes are a result of recommendations from the recently completed program review.

**2.0 Reason/Rationale for Changes**

**2.1 The reason for the change is based on:**

- ☒ A recent program review
- ☐ College Advisory Committee feedback
- ☒ Program Advisory Committee feedback
- ☐ Student feedback
- ☐ KPI results
- ☐ Accreditation or other regulatory requirements
- ☐ Shared curriculum
- ☒ Trends in the field/industry
- ☐ Other (please describe):

**2.2 Does the change support the College's Strategic Framework (mission, vision, values)?**

- ☒ Yes
- ☐ No (If no, please explain)

**2.3 What strategic goal(s) does the proposed change support?**

- ☐ Goal 1 - Enrolment growth
- ☐ Goal 2 - Flexible delivery options
- ☒ Goal 3 - Premier student experience
- ☐ Goal 4 - Sustainable College life

**3.0 Students**

**3.1 Will the change affect the cost of the program for students?**

- ☐ Yes
- ☒ No

**3.2 If yes, there will be an additional cost for:**

- ☐ Materials (Include details):

- ☐ Equipment (Include details):
- ☐ Other (Please describe):

#### 4.0 Program Learning Outcomes

4.1 Will the proposed change meet the Program Vocational Learning Outcomes? (Complete Appendix B and mark the changes in the mapping [e.g. red font])

- ☒ Yes
- ☐ No

4.2 Are there any implications related to progression because of pre-requisite courses (and/or co-requisite courses)?

- ☒ No
- ☐ Yes (If yes, please explain)

#### 5.0 Relationships with Other Programs

5.1 Are any of the courses impacted by the change provided by another School (e.g., SLLS, LKSB) and/or delivered at another campus?

- ☒ No
- ☐ Yes

5.2 What Schools/Campuses will be impacted by the proposed change?

- ☐ School of Information Technology
- ☐ Lawrence Kinlin School of Business
- ☐ School of Tourism and Hospitality
- ☐ School of Health Sciences
- ☐ School of Human Services
- ☐ School of Nursing
- ☐ School of Public Safety
- ☐ School of Contemporary Media
- ☐ School of Design
- ☐ School of Language and Liberal Studies
- ☐ Norton Wolf School of Aviation Technology
- ☐ School of Applied Sciences and Technology
- ☐ Donald J. Smith School of Building Technology
- ☐ School of Transportation Technology
- ☐ Continuing Education
- ☐ Simcoe/Norfolk Regional Campus
- ☐ St Thomas/Elgin Regional Campus
- ☐ Woodstock/Oxford Regional Campus
- ☐ Huron/Bruce Regional Sites



- 5.3 Will the change affect pathway agreements (e.g., bridging, articulations, laddering, advanced standing) with other Fanshawe program(s) and/or other institution(s)?  
(Refer to the pathway agreements listed here: <http://transferagreements.fanshawec.ca/>)

- ☒ No  
☐ Yes (If yes, indicate when you will notify the other Fanshawe program(s) and/or other institution(s) and the Pathways Coordinator in the Centre for Academic Excellence of the change)

- 5.4 If this program is a Co-Operative Education program, will the proposed change impact Co-op?

- ☒ No  
☐ Yes (If yes, consult with the Co-op office prior to submission)

## 6.0 Resource Implications of Proposed Changes

- 6.1 Will the proposed change have staffing implications?

- ☒ No  
☐ Yes (If yes, please explain)

- 6.2 Will the proposed change impact any of the Enabling areas?

- ☒ No  
☐ Yes (If yes, please explain)

- 6.3 Will the proposed change affect space and/or technology requirements?

- ☐ No  
☒ Yes (If yes, please explain) - minimal impact - 1 course will be scheduled in a computer lab (the course it is replacing was scheduled in a classroom)

## 7.0 General College Requirements

- 7.1 Are changes consistent with Colleges policies?

- ☒ Yes  
☐ No (If no, please explain)

- 7.2 Indicate:

- i) Total program hours before proposed change: 2226  
ii) Total program hours after proposed change: 2226  
iii) Level(s) in which the proposed change(s) occurs: 3, 4, 5, 6

- 7.2.1 Are the total program hours consistent with the requirements as listed below?

- ☐ Yes

☒ No (If no, please explain) - historically, the ATY1 program has had this many hours (please note according to the Policy Framework an Advanced Diploma has between 1800 and 2100 hours).

<b>Local Certificate</b> - 300 hours	<b>Ontario College Certificate</b> - 600 hours
<b>Diploma</b> - 1200 to 1400 hours	<b>Advanced Diploma</b> - 1800 to 2000 hours
<b>Graduate Certificate</b> - 600 hours	

7.3 Will the program meet the General Education requirements (Policy 2-B-02) as listed below?

- ☐ No  
☒ Yes

<b>Local Certificate, Ontario College Certificate and Graduate Certificate</b> - none required)	<b>Diploma</b> - 3 required (minimum of 1 must be an elective)	<b>Advanced Diploma</b> - 4 required (minimum of 2 must be electives)
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7.4 Will the program have 25% distinct curriculum to meet the Residency Requirement of 25% credit units? Consider all pathway agreements (e.g., bridging, internal articulations, laddering, advanced standing) with other Fanshawe programs and/or other institutions.

- ☐ No  
☒ Yes

**Note:** In accordance with POLICY NUMBER: 2-B-17 Graduation from Approved College Programs

...to be eligible for any College Credential a student must be enrolled and complete at least 25% of that program's credit units at Fanshawe College, unless stipulated differently by other approving bodies such as the Postsecondary Education Quality Assessment Board (PEQAB).

APPENDIX A: PROPOSED CURRICULUM MODIFICATION

Course Code	Existing DA Courses	Total Hours	Total Credits	Describe proposed changes	Course Code	Proposed DA Courses	Total Hours	Total Credits
Level 3								
ARCH-3015	Architectural Design & Project 3	135	9	no changes	ARCH-3015	Architectural Design & Project 3	135	9
ARCH-1021	Ontario Building Code 2	30	2	no changes	ARCH-1021	Ontario Building Code 2	30	2
ENGR-1004	Environmental Engineering-Electrical	30	2	no changes	ENGR-1004	Environmental Engineering-Electrical	30	2
MATS-3009	Materials & Methods 3	45	3	no changes	MATS-3009	Materials & Methods 3	45	3
CONS-1012	Quantities	45	3	no changes	CONS-1012	Quantities	45	3
ENGR-3007	Structural Engineering 1	45	3	no changes	ENGR-3007	Structural Engineering 1	45	3
				new course	CADD-1080	Building Integrated Modelling-Intro	45	3
<del>SURV-1002</del>	<del>Surveying</del>	<del>45</del>	<del>3</del>	<del>no longer offered</del>				
TOTAL		375	25	TOTAL			375	25
Level 4								
Gen Ed	Gen Ed Course	45	3	no changes	Gen Ed	Gen Ed Course	45	3
ARCH-3016	Architectural Design & Project 4	135	9	no changes	ARCH-3016	Architectural Design & Project 4	135	9
CADD-3030	Building Information Modelling	45	3	change to content	CADD-3035	Building Integrated Modelling-Inter	45	3
ENGR-1006	Environmental Engineering (HVAC)	60	4	no changes	ENGR-1006	Environmental Engineering (HVAC)	60	4
MATS-3010	Materials & Methods 4	45	3	no changes	MATS-3010	Materials & Methods 4	45	3
ENGR-3009	Structural Engineering 2	30	2	no changes	ENGR-3009	Structural Engineering 2	30	2
URBN-1025	Urban Environmental Studies	30	2	no changes	URBN-1025	Urban Environmental Studies	30	2
TOTAL		390	26	TOTAL			390	26
Level 5								
ARCH-5001	Building Science 1	45	3	no changes	ARCH-5001	Building Science 1	45	3
ARCH-5009	Architectural Design & Project 5	135	9	no changes	ARCH-5009	Architectural Design & Project 5	135	9
ARCH-3007	Specifications 1	30	2	no changes	ARCH-3007	Specifications 1	30	2
ENGR-5007	Structural Engineering 3	45	3	no changes	ENGR-5007	Structural Engineering 3	45	3
Gen Ed	Gen Ed Course	45	3	no changes	Gen Ed	Gen Ed Course	45	3
<del>ECON-1010</del>	<del>Building Economics</del>	<del>45</del>	<del>3</del>	<del>no longer offered</del>				
				new course	ARCH-1033	Architectural Practice & Processes 1	45	3
TOTAL		345	23	TOTAL			345	23
Level 6								
ARCH-5010	Architectural Design & Project 6	135	9	no changes	ARCH-5010	Architectural Design & Project 6	135	9
ARCH-5005	Building Science 2	45	3	no changes	ARCH-5005	Building Science 2	45	3
ARCH-5007	Specifications 2	45	3	no changes	ARCH-5007	Specifications 2	45	3
ENGR-5009	Structural Engineering 4	30	2	no changes	ENGR-5009	Structural Engineering 4	30	2
COMM-5005	Technical Report Prod for Bldg Tech'y	30	2	no changes	COMM-5005	Technical Report Prod for Bldg Tech'y	30	2
<del>ARCH-5006</del>	<del>Architectural Office Procedures</del>	<del>45</del>	<del>3</del>	<del>no longer offered</del>				
				new course	ARCH-3017	Architectural Practice & Processes 2	45	3
TOTAL		330	22	TOTAL			330	22



May 5, 2016

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**Degree Audit Report****Catalog:** 2017/2018

**Program:** ATY1  
**Department:** BLD - Building Technology  
**Academic Level:** PS  
**CCD:** 9 - 6AcadSem/1800-2100hrs  
**Credential:** Ontario College Advanced Dipl

**Name:** Architectural Technology

**Grade Scheme:** LG2  
**Major:** ATY1 - Architectural Technology  
**Co-Op Indicator:** Mandatory Co-op

**Div:** BLD - Building Technology Division**Academic Program Requirement**

**Total Credits:** 149.00      **Residency Reqmt:** 38.00  
**GPA Requirement:** 2.000      **Residency Reqmt GPA:** 2.000  
**Minimum Grade:** D

**Academic Requirement:** ATY1.17 Architectural Technology

**Major:** ATY1  
**Grade Scheme:** LG2  
**Minimum GPA:** 2.000  
**Minimum Grade:**

**Subrequirement:** Level 1

Take all of the following Mandatory Courses:

		<b>Total Hours</b>	<b>Total Credits</b>	<b>GE</b>
ARCH-1001	Architectural Design 1	45.00	3.00	
CADD-1041	Architectural AutoCAD 1	60.00	4.00	
WRIT-1039	Reason & Writing 1-Technology	45.00	3.00	
DRAF-1059	Architectural Fundamentals 1	45.00	3.00	
MATS-1002	Materials & Methods 1	45.00	3.00	
MATH-1061	Statics	45.00	3.00	
ARCH-1006	History of Architecture	45.00	3.00	**
MATH-1036	Mathematics in Technology 1	45.00	3.00	

**Subrequirement:** Level 2

Take all of the following Mandatory Courses:

		<b>Total Hours</b>	<b>Total Credits</b>	<b>GE</b>
CADD-1042	Architectural AutoCAD 2	60.00	4.00	
ARCH-1030	Architectural Design & Project 2	135.00	9.00	
ARCH-1004	Ontario Building Code I	30.00	2.00	
MATS-1007	Materials & Methods 2	45.00	3.00	
MECH-1009	Mechanics of Materials	45.00	3.00	
SFTY-1029	Health & Safety	45.00	3.00	**
ENVR-1017	Sustainability in the Built Environment	45.00	3.00	

**Subrequirement:** Level 3

Take all of the following Mandatory Courses:

<b>Total Hours</b>	<b>Total Credits</b>	<b>GE</b>
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## Degree Audit Report

ARCH-3015	Architectural Design & Project 3	135.00	9.00
ARCH-1021	Ontario Building Code 2	30.00	2.00
ENGR-1004	Environmental Engineering-Electrical	30.00	2.00
MATS-3009	Materials & Methods 3	45.00	3.00
CONS-1012	Quantities	45.00	3.00
ENGR-3007	Structural Engineering 1	45.00	3.00
<del>SURV-1002</del>	<del>Surveying</del>	<del>45.00</del>	<del>3.00</del>

remove

Please add: CADD1050

Building Integrated  
Modelling-Intro

45.00 3.00

Subrequirement: Level 4

Gen Ed - Take a 3 credit General Education elective course

Take all of the following Mandatory Courses:

		Total Hours	Total Credits	GE
ARCH-3016	Architectural Design & Project 4	135.00	9.00	
<del>CADD-3030</del>	<del>Building Information Modelling</del>	<del>45.00</del>	<del>3.00</del>	<del>remove</del>
ENGR-1006	Environmental Engineering (HVAC)	60.00	4.00	
MATS-3010	Materials & Methods 4	45.00	3.00	
ENGR-3009	Structural Engineering 2	30.00	2.00	
URBN-1025	Urban Environmental Studies	30.00	2.00	

Please add: CADD3035

Building Integrated  
Modelling-Intro

45.00 3.00

Subrequirement: Level 5

Gen Ed - Take a 3 credit General Education elective course

Take all of the following Mandatory Courses:

		Total Hours	Total Credits	GE
ARCH-5001	Building Science 1	45.00	3.00	
ARCH-5009	Architectural Design & Project 5	135.00	9.00	
<del>ECON-1010</del>	<del>Building-Economics</del>	<del>45.00</del>	<del>3.00</del>	<del>remove</del>
ARCH-3007	Specifications 1	30.00	2.00	
ENGR-5007	Structural Engineering 3	45.00	3.00	

Please add: ARCH1033

Arch. Practice &amp; Processes 1

45.00 3.00

Subrequirement: Level 6

Take all of the following Mandatory Courses:

		Total Hours	Total Credits	GE
ARCH-5010	Architectural Design & Project 6	135.00	9.00	
ARCH-5005	Building Science 2	45.00	3.00	
<del>ARCH-5006</del>	<del>Architectural Office Procedures</del>	<del>45.00</del>	<del>3.00</del>	<del>remove</del>
ARCH-5007	Specifications 2	45.00	3.00	
ENGR-5009	Structural Engineering 4	30.00	2.00	
COMM-5005	Technical Report Prod for Bldg Tech'y	30.00	2.00	

Please add: ARCH3017

Arch. Practice &amp; Processes 2

45.00 3.00

Subrequirement: Co-op Course

Take the following Mandatory Course -

Normally Taken in Level 1 or 2

		Total Hours	Total Credits	GE
COOP-1020	Co-operative Education Employment Prep	6.00	1.00	

Subrequirement: Gen Ed - Electives

Take 6 General Education Credits -

Normally taken in Levels 4 and 5

## Degree Audit Report

Students Must Complete a Minimum of 38 credits in this program at Fanshawe College to meet the Program Residency requirement and Graduate from this program

Approved By Chair/Manager:

Approved by Dean:

General Education Approved By(as appropriate):

Department and Date:

Date:

Date:

TS  
Dec 16/16